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From	James D. Jacobs	+1 212 891 3951	+1 212 310 1651
Client/Matter No.			
Re	Application no. 09/887,207		
Pages (w/cover)	7		

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/887,208
	Filing Date	8/22/2001
	First Named Inventor	Brendon Conlan
	Art Unit	1753
	Examiner Name	Ann S. Phasge
Total Number of Pages in This Submission	Attorney Docket Number	56104676-23

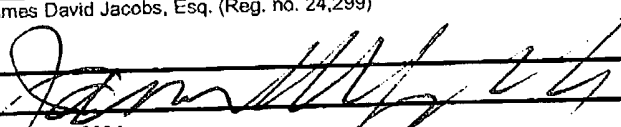
ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1449 formss (14 pages)
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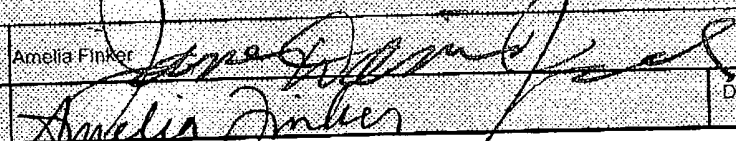
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Substitute for form 1449A/PTO		Correspondence to	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/887,208
		Filing Date	
		First Named Inventor	CONLAN et al.
		Group Art Unit	
		Examiner Name	
Sheet 2 of 14	Attorney Docket Number	56104576-23	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	24	4,322,275		JAIN	03/30/1982	
	25	4,362,612		BIER	12/07/1982	
	26	4,376,023		VENKATSUBRAMANIAN et al.	03/08/1983	
	27	4,381,232		BROWN	04/26/1983	
	28	4,383,923		ELFERT	05/17/1983	
	29	4,396,477		JAIN	08/02/1983	
	30	4,441,978		JAIN	04/10/1984	
	31	4,533,447		MELDON	08/06/1985	
	32	4,608,140		GOLDSTEIN	08/26/1986	
	33	4,661,224		GOLDSTEIN et al.	04/28/1987	
	34	4,673,483		MANDLE	06/16/1987	
	35	4,711,722		TOYOSHI et al.	12/08/1987	
	36	4,746,647		SVENSON	05/24/1988	
	37	4,780,411		PIEJKO et al.	10/25/1988	
	38	4,897,169		BIER et al.	01/30/1990	
	39	4,963,236		RODKEY et al.	10/16/1990	
	40	5,043,048		MURALIDHARA	08/27/1991	
	41	5,080,770		CULKIN	01/14/1992	
	42	5,082,548		FAUPEL et al.	01/21/1992	
	43	5,087,338		PERRY et al.	02/11/1992	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TO
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/887,208
				Filing Date	
				First Named Inventor	CONLAN
				Group Art Unit	
				Examiner Name	A. PHASGE
Sheet	3	of	14	Attorney Docket Number	56104576-23

U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	44	5,096,547		KLOTZ et al.	03/17/1992	FAX RECEIVED
	45	5,114,555		STIMPSON	05/19/1992	
	46	5,127,999		KLOTZ et al.	07/07/1997	AUG 11 2000
	47	5,160,594		HUFF et al.	11/03/1992	
	48	5,173,164		EGEN et al.	12/22/1992	PETITIONS OFFICE
	49	5,185,086		KAALI et al.	02/09/1993	
	50	5,238,570		HUGL et al.	08/24/1993	
	51	5,277,774		SHMIDT et al.	01/11/1994	
	52	5,336,387		EGEN et al.	08/09/1994	
	53	5,340,449		SHUKLA	08/23/1994	
	54	5,352,343		BAILES et al.	10/04/1994	
	55	5,407,553		HERRON et al.	04/18/1995	
	56	5,420,047		BRANDT et al.	05/30/1995	
	57	5,441,646		HELLER et al.	08/15/1995	
	58	5,490,939		GERIGK et al.	02/13/1996	
	59	5,503,744		IKEMATSU et al.	04/02/1996	
	60	5,504,239		MEHL et al.	04/02/1996	
	61	5,558,753		GALLAGHER et al.	09/24/1996	
	62	5,561,115		TENOLD	10/01/1996	
	63	5,565,102		BRANDT et al.	10/15/1996	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Form PTO-1449 (modified)

List of Patents and Publications
For Applicant's Information
Disclosure Statement

(Use several sheets if necessary)

Page 6 of 14

ATTY. DOCKET NO.

56104576-23

SERIAL NO.

09/887,208

APPLICANT Brendon CONLAN et al.

FILING DATE

GROUP ART UNIT
Examiner.

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	79	WO94/22904	13 October 94	Australia	A1		YES

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

80	Corthals, G.L. et al, Electrophoresis, 1997, Vol. 18, No. 3-4, pages 317-323, "Prefractionation of Protein Samples Prior to Two-dimensional Electrophoresis".
81	Horvath, S.J. et al, Electrophoresis, 1996, Vol. 17, No. 1, pages 224-226, "Preparative Affinity Membrane Electrophoresis".
82	Corthals, G.L. et al, Electrophoresis, 1997, Vol. 17, No. 4, pages 771-775, "The Role of pH and Membrane Porosity in Preparative Electrophoresis".
83	Horvath, S.J. et al, Electrophoresis, 1995, Vol. 16, No. 1, pages 98-100, "Preparative Reflux Electrophoresis".
84	Horvath, S.J. et al, Electrophoresis, 1994, Vol. 15, No. 7, pages 968-971, "Multifunctional Apparatus for Electrokinetic Processing of Proteins".
85	Applied and Theoretical Electrophoresis, Vol. 3, No. 1, 1992, pages 13-16, C.W. Wrigley et al, "Rapid (Ten Minute) Pore-gradient Electrophoresis of Proteins and Peptides in Micrograd Gels".
86	Journal of Chromatography, Vol. 773, No. 1-2, 1997, pages 229-309, G.L. Corthals et al, "Purification by Reflex Electrophoresis of Whey Proteins and of a Recombinant Protein Expressed in Dictyostelium Discoideum".
87	Separation Science and Technology, Vol. 27, No. 1, 1992, pages 11-27, J.L. Schmidt et al, "Electrophoresis along a Semipermeable Membrane Surface".

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Information Disclosure Statement--PTO-1449 (Modified)

Page 7 of 14

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	56104576-23	09/887,208
	APPLICANT Brendon CONLAN et al.	
	FILING DATE	GROUP ART UNIT Examiner:
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U.S. PATENT DOCUMENTS

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EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	88	Biotechnology and Bioengineering, Vol. 30, No. 1, 1987, pages 123-137, C. Mullon et al, "Forced-flow Electrophoresis of Proteins and Viruses".
	89	Journal of Chromatography, Vol. 707, No. 1, 1995, pages 77-85, K.D. Cole et al, "Free-solution Electrophoresis of Proteins in an Improved Density Gradient Column and by Capillary Electrophoresis".

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Form PTO-1449

INFORMATION DISCLOSURE
CITATION IN AN APPLICATIONAtty. Docket No.:
56104576-23

Serial No.: 09/887,208

Applicant: Brendon Francis Conlan et al.

Filing Date:

Group Art Unit:

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U.S. PATENT DOCUMENTS

INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	PETITIONS OFFICE FILING DATE (if appropriate)
	90	5,087,338	02/11/92	Perry, et al.	204	182	
	91	4,749,458	06/07/88	Muroi, et al.	204	182.3	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION? (YES/NO)
	92	2 118 975 A	02/16/83	United Kingdom			
	93	PCT/US92/08071 WO 93/06475	09/23/92 04/01/93	WIPO			
	94	0 369 945 A2	11/09/89	Europe			
	95	2 118 975 A	02/16/83	United Kingdom			
	96	DE 41 16 179 a1	11/19/92	Germany			yes abstract
	97	EP 0 477 541 B1	08/23/91	Europe			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Attorney Docket No.	Serial No.:
	56104576-23	09/887,208
	Applicant: Brendon Conlan, et al.	
	Filing Date:	Group Art Unit:

U.S. PATENT DOCUMENTS

INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	98	5,039,386	8/13/91	Margolis			
	99	4,746,647	5/88	Svenson			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION? (YES/NO)
	100	94/22904	10/13/94	WO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

101	Corthals, G.L. et al., Electrophoresis, 1997, Vol. 18, No. 3-4, pages 317-323, "Prefractionation of Protein Samples Prior to Two-Dimensional Electrophoresis".
102	Horvath, S.J. et al., Electrophoresis, 1996, Vol. 17, No. 1, pages 224-226, "Preparative Affinity Membrane Electrophoresis".
103	International Search Report Dated 5/2/00
104	Corthals, G.L. et al., Electrophoresis, 1997, Vol. 17, No. 4, pages 771-775, "The Role of pH and Membrane Porosity in Preparative Electrophoresis".

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CITATION IN AN APPLICATIONAttorney Docket No.
56104576-23Serial No.:
09/887,208

Applicant: Brendon Conlan, et al.

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Group Art Unit: 14

U.S. PATENT DOCUMENTS

INITIAL*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)

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DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION? (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

105	Horvath, S.J. et al., Electrophoresis, 1995, Vol. 16, No. 1, pages 98-100, "Preparative Reflux Electrophoresis".
106	Horvath, S.J. et al., Electrophoresis, 1994, Vol. 15, No. 7, pages 968-971, "Multifunctional Apparatus for Electrokinetic Processing of Proteins".
107	Applied and Theoretical Electrophoresis, Vol. 3, No. 1, 1992, pages 13-16, C.W. Wrigley et al, "Rapid (Ten Minute) Pore-gradient Electrophoresis of Proteins and Peptides in Micrograd Gels".

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INFORMATION DISCLOSURE
CITATION IN AN APPLICATION

Attorney Docket No.

56104576-23

Serial No.:

09/887,208

Applicant: Brendon Conlan, et al.

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U.S. PATENT DOCUMENTS

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108	Journal of Chromatography, Vol. 773, No. 1-2, 1997, pages 229-309, G.L. Corthals et al, "Purification by Reflex Electrophoresis of Whey Proteins and of a Recombinant Protein Expressed in Dictyostelium Discoideum".
109	Separation Science and Technology, Vol. 27, No. 1, 1992, pages 11-27, J.L. Schmidt et al., "Electrophoresis Along a Semipermeable Membrane Surface".
110	Journal of Chromatography, Vol. 707, No. 1, 1995, pages 77-85, K.D. Cole et al., "Free-Solution Electrophoresis of Proteins in an Improved Density Gradient Column and by Capillary Electrophoresis".
111	Biotechnology and Bioengineering, Vol. 30, No. 1, 1987, pages 123-137, C. Mullon et al., "Forced-Flow Electrophoresis of Proteins and Viruses".

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	Application/Control No.	Application	
	09/887,208	CONLAN ET AL.	
	Examiner	Art Unit	Page 13 of 14
	Arun S. Phasge		

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	113	US-6464851 B1	10-2002	Conlan et al.	204/543
		US-			
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	114	WO 94/22904	10-1994	PCT	Margolis	

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	115	Mullon et al., " Forced-Flow Electrophoresis of Proteins and Viruses" (1987) Biotechnology and Bioengineering, Vol. XXX, Pp 123-137.

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Substitute for form 1449/PTQ

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/887,208
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Filing Date

First Named Inventor	CONLAN
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Art Unit

Examiner Name

Attorney Docket Number	56104576-23
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Sheet	14	of	14
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U. S. PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ² Number ⁴ Kind Code ³ (if known)	MM-DD-YYYY			
	119	UK 2118975A	2/16/83			
	120	WO 93/06475	4/1/93			
	121	EP 0369945A2	11/9/89			
	122	DE 4116179A1	11/19/92			
	123	EP 0477541B1	8/23/91			

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